

MATERIAL SAFETY DATA SHEET



DATE PRINTED: FEB 26, 2010
MSDS NO. SICVIT001 OUTBOUND
SiC Vitrified Grinding Wheel

SECTION 1. CHEMICAL PRODUCT/COMPANY INFO.

PRODUCT NAME
SiC Vitrified Grinding Wheel
TRADE NAME
Crystalon
MANUFACTURER(4)
Saint-Gobain Abrasives, Inc.
One New Bond Street
Worcester, MA, 01606
(508) 795-5000
EMERGENCY TELEPHONE #1
(508) 795-5000
SUPPLIER
Saint-Gobain Abrasives Canada, Inc.
PO Box 3008
Hamilton, Ont., Canada L8L 7Y5
(905) 547-2551
PRODUCT USE
Various grinding, polishing, cutting and sanding tasks
REVISION DATE
2/01/2010
MSDS PRINT FORMAT
NORTONCAN
WHMIS HAZARD CLASS

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE DESCRIPTION	PERCENT	CAS#
Amorphous Silica, Fused	2.000- 50.000	60676-86-0
Silicon Carbide	30.000- 96.000	409-21-2
OTHER		

Not Applicable

DOMESTIC SUBSTANCE LIST

All components of this product are found on the Domestic Substance List.

LD50/LC50

Values are not appropriate or available.

SECTION 3. PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT STATE
Solid
APPEARANCE & ODOR
Solid article. Odorless.
ODOR THRESHOLD (ppm)
NA
SPECIFIC GRAVITY
NA

VAPOR PRESSURE (mm Hg)
NA

VAPOR DENSITY (Air = 1.0)
NA

EVAPORATION RATE
NA

BOILING POINT
F C
pH FACTOR
NA

COEFFICIENT OF OIL/WATER
NA

SECTION 4. FIRE FIGHTING MEASURES

FLASH POINT
F C NA
UPPER EXPLOSION LIMIT
NA
LOWER EXPLOSION LIMIT
NA
AUTO IGNITION TEMPERATURE
F C NA
EXTINGUISHING METHOD
Not Applicable
HAZARDOUS PRODUCTS/COMBUSTION
None.
OTHER FIRE + EXPLOSION HAZARDS
Not Applicable

SECTION 5. STABILITY AND REACTIVITY

STABILITY
Stable.
INCOMPATIBILITIES
Avoid acids of all types with a pH < 4.0.
DECOMPOSITION
In use, dust and decomposing odors may be generated. In most cases, the material removed from the workplace will be significantly greater than the grinding wheel components. Coolants may produce other decomposition products.

For products containing Phenol and formaldehyde resin, thermal decomposition may produce trace amounts of phenol and formaldehyde.

For products containing inorganic fluorides, thermal decomposition may produce trace amounts of fluorides.

SECTION 6. TOXICOLOGICAL INFORMATION

INHALATION ACUTE EXPOSURE EFFECTS

Dust may be slightly irritating to eyes and respiratory tract at high concentrations.

INHALATION CHRONIC EXPOSURE EFFECTS

May affect breathing capacity. For products containing Amorphous Silica, Fused, there is limited evidence in animals that excessive and prolonged exposure to this chemical may cause pulmonary fibrosis.

SKIN CONTACT ACUTE EXPOSURE EFFECTS

Some may experience skin irritation from dust.

EYE CONTACT ACUTE EXPOSURE EFFECTS

Dust may irritate eyes.

INGESTION ACUTE EXPOSURE EFFECTS

No known adverse effects, but ingestion not recommended.

EXPOSURE LIMITS/REGULATORY INFORMATION

SUBSTANCE DESCRIPTION	UNITS	OSHA	ACGIH	MOL
Amorphous Silica, Fused	MG/M3	0.1000	0.1000	0.0000
Silicon Carbide	MG/M3	10.0000	10.0000	10.0000

LEGEND:

EXPOSURE LIMIT DESCRIPTIONS

CARCINOGENICITY

Amorphous Silica, Fused IARC 3, NIOSH X

SECTION 7. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION PROTECTION

Recommend using local exhaust ventilation when general ventilation is not keeping the airborne concentration below the TLV.

RESPIRATORY PROTECTION

Respirators are required when airborne contaminant levels exceed the TLV(s).

EYE PROTECTION

Always WEAR SAFETY GLASSES or some type of eye protection when grinding.

OTHER PROTECTION

Use of this product may create elevated sound levels. Hearing protection should be worn where required (see OSHA 29 CFR 1910.134 and other applicable regulations).

HANDLING

Always HANDLE AND STORE wheels in a CAREFUL manner.

Always VISUALLY INSPECT all wheels before mounting.

Always CHECK MACHINE SPEED against the established maximum safe operating speed MARKED ON THE WHEEL.

Always CHECK MOUNTING FLANGES for equal and correct diameter.

Always USE MOUNTING BLOTTERS.

Always be sure WORK REST is properly adjusted.

Always USE A SAFETY GUARD covering at least one-half of the grinding wheel.

Always allow NEWLY MOUNTED WHEELS to run at operating speed, with guard in place, for at least one minute before grinding.

Always TURN OFF COOLANT before stopping wheel to avoid creating an out-of-balance wheel.

WASTE DISPOSAL

Use standard landfill methods consistent with applicable Federal, State, Provincial and local laws.

Products with listed flourides may have slightly soluble flouride swarf.

SECTION 8. FIRST AID MEASURES

INHALATION

Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately .

SKIN CONTACT

Wash affected areas with soap and water. Obtain medical assistance.

EYE CONTACT

Wash with large amounts of water. Obtain first aid and medical assistance, if needed .

INGESTION

Call poison control center, hospital emergency room or physician immediately.

SECTION 9. OTHER INFORMATION

MSDS DATA SOURCE

SUPPLIER MSDS

CREATED BY

CRPKPF

CREATION DATE

8/29/1994

EMERGENCY TELEPHONE #2

(508) 795-5000

KEY TO ABBREVIATIONS:

EQ=Equal

AP=Approximately

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LT=Less Than

TR=TRace

GT=Greater Than

ND=No Data available